Geometry

Similarity and Pythagorean Theorem Pre-Assessment

Pre-assessment Corrections/Notes

1. Write the ratio of to in the following triangle.

A

B

C

13

5

12

Ratio: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Are the following two ratios proportional?

How do you know?

3. Are the following two ratios proportional?

How do you know?

4. Solve for the missing value.

x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Solve for x.

x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

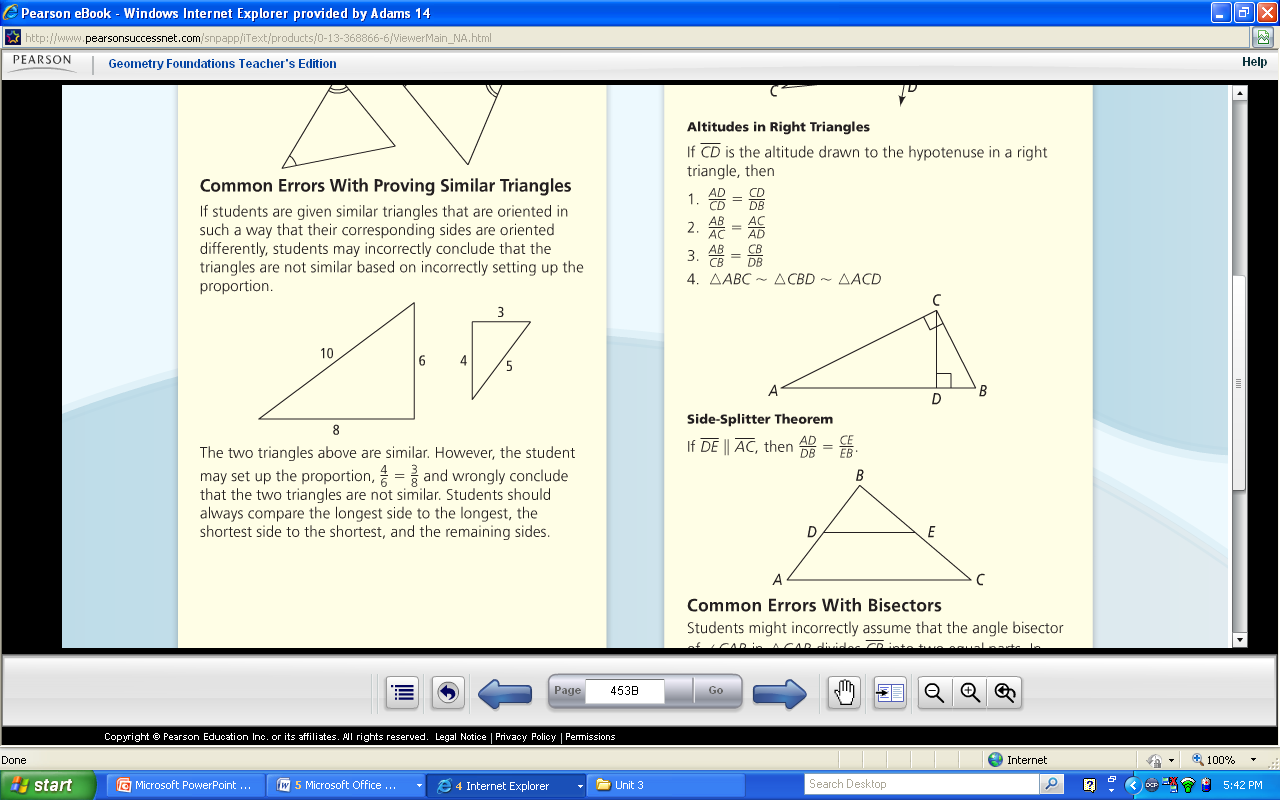
6. Solve for x.

x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Determine if the following two figures are similar.

Write a proportion to either show that they are or

are not similar.



8. Solve for x.

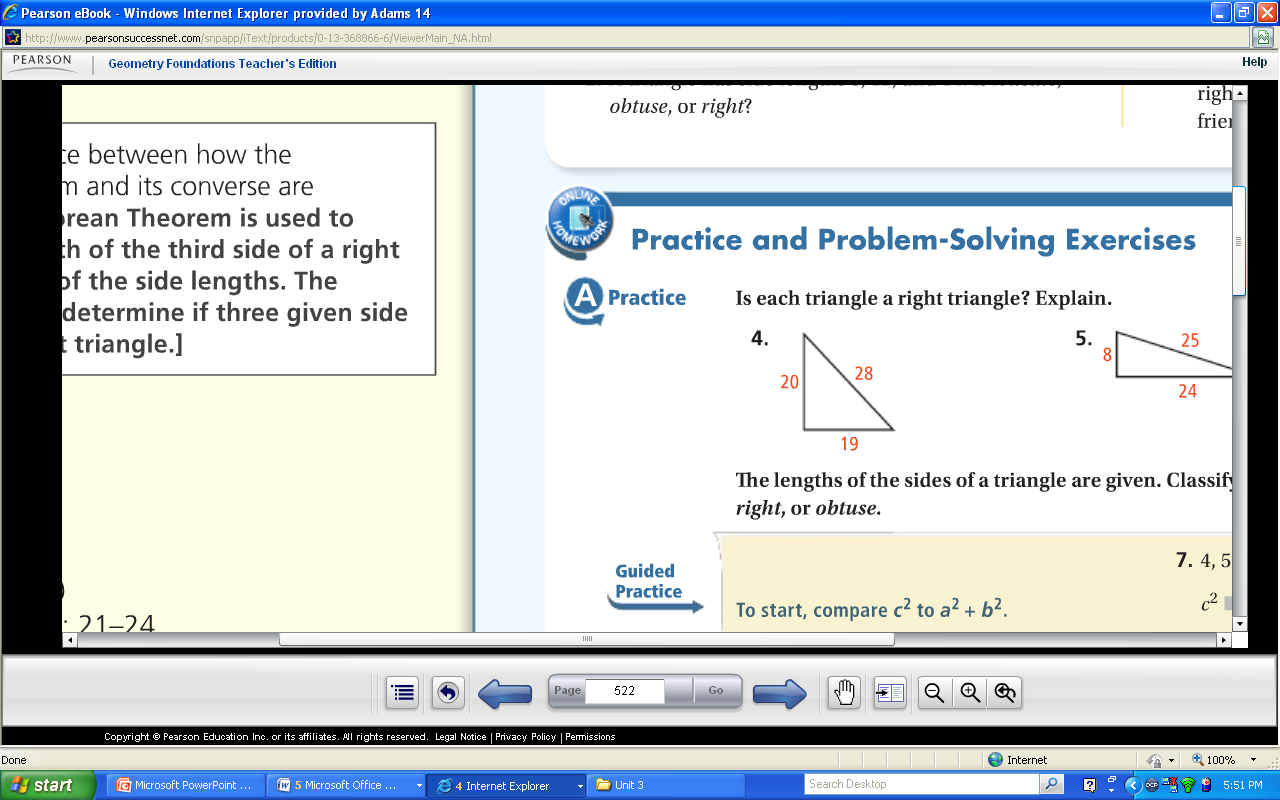
x

7

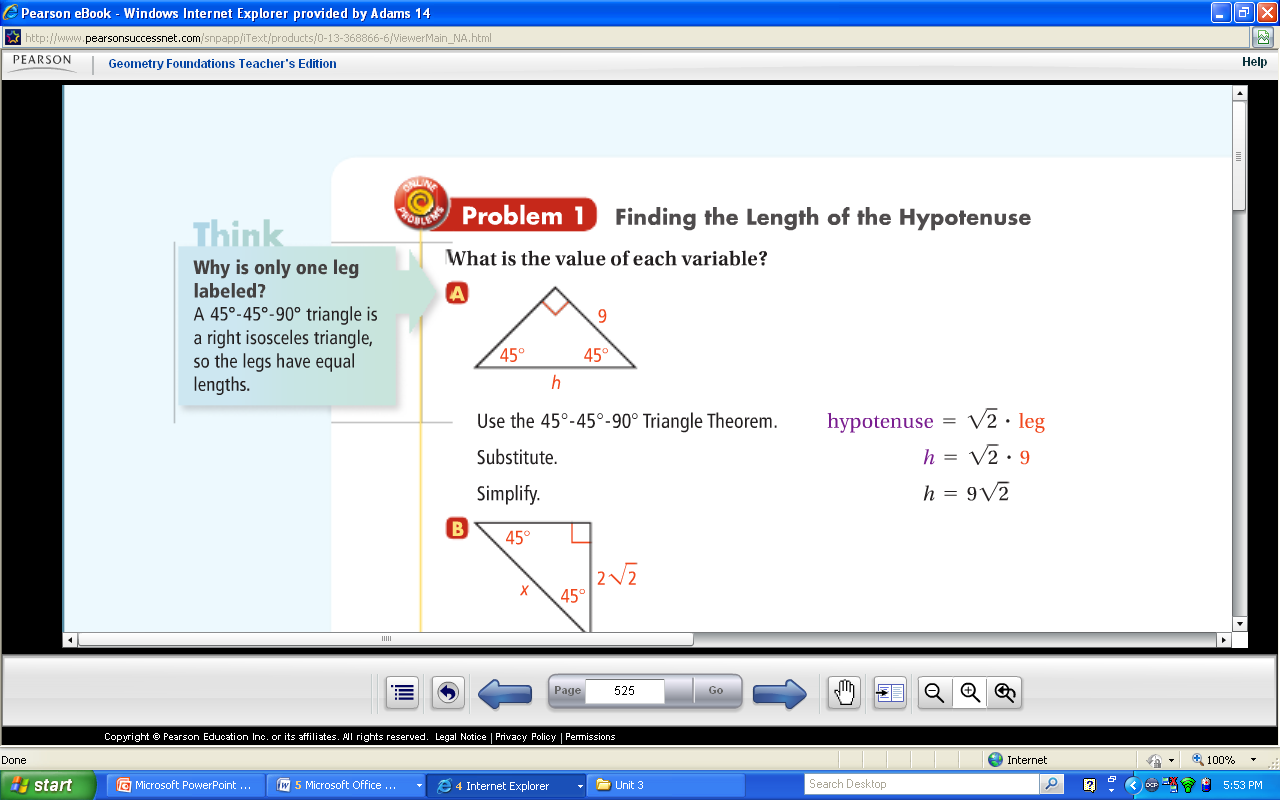
24

x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Determine if the triangle is a right triangle.



10. Solve for h.



h = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exit Ticket

The main ideas that this unit will cover are… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Rate your familiarity with the content covered on this pre-assessment.

1 2 3 4 5

Never seen Seen some Can do some Mastered some Mastered all